

CEX_grouping

February 11, 2025

1 Setup and Data

```
[ ]: from inflation_analysis import grouping
      from tabulate import tabulate
      import matplotlib.pyplot as plt

      # Parameters
      start_year = 2021
      end_year = 2022
      data_folder="/Users/roykisluk/Downloads/Consumer_Expenditure_Survey/"
      years=range(start_year, end_year+1)

      groups = grouping(start_year, end_year, cex_data_folder = data_folder)
```

2 Plotting

```
[4]: # Count rows for each group
      group_counts = {group: sum(len(data[year]) for year in data) for group, data in
      ↪ groups.items()}
```

```
[5]: # Plot
      plt.figure(figsize=(10, 6))
      plt.bar(group_counts.keys(), group_counts.values())
      plt.xlabel('Groups')
      plt.ylabel('Number of Rows')
      plt.title('Number of Rows for Each Group')
      plt.xticks(rotation=45, ha='right')
      plt.tight_layout()
      plt.show()
```

